

Converting Colors

XYZ(71.0009, 84.9253, 81.1764)

Have a look what the booklet for
XYZ(71.0009, 84.9253, 81.1764)
contains.

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Color

**XYZ(70.9757, 84.9118,
81.0554)**

Conversions

Conversions Part 1

Format	Color
Hex	CAF8DD
RGB	202, 248, 221
RGB Percent	79%, 97%, 87%
CMY	0.2078, 0.0274, 0.1333
CMYK	0.19, 0.00, 0.11, 0.03
HSL	145°, 77%, 88%
HSV	145°, 19%, 97%
XYZ	70.9757, 84.9118, 81.0554
YIQ	231.1680, -18.7490, -18.1490

Conversions

Conversions Part 2

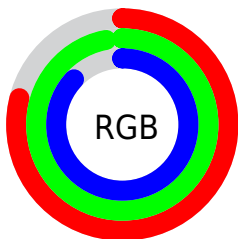
Format	Color
R_{YB}	202, 235, 248
Decimal	13301981
CIE Lab	93.85, -19.85, 8.13
CIE LCh	94, 21.448, 157.733
Yxy	84.9118, 0.2995, 0.3584
Android (android.graphics.Color)	4291492061 (0xFFCAF8DD)
YUV	231.1680, -5.0128, -25.5803
Hunter-Lab	92.1476, -23.7706, 12.3503

Details

The XYZ color **70.9757, 84.9118, 81.0554** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.9778, 67.8568, 83.3312**, and the grayscale version is **76.1288, 80.0934, 87.2217**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5464, 46.2178, 43.0184** is the 20% darker color. If you saturate the color by 10%, you get **62.9410, 80.9866, 70.9905**, and if you desaturate by 10%, it is **80.2617, 89.4673, 92.0604**.

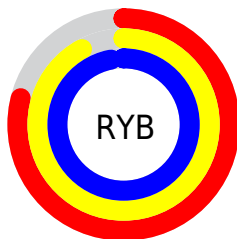
Distribution



Red (79%)

Green (97%)

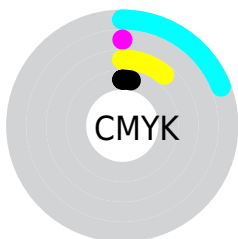
Blue (87%)



Red (79%)

Yellow (92%)

Blue (97%)

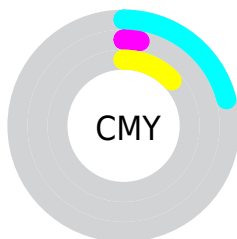


Cyan (19%)

Magenta (0%)

Yellow (11%)

Black (3%)



Cyan (21%)

Magenta (3%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.9757, 84.9118, 81.0554 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 70.9757, 84.9118, 81.0554 by changing the saturation by 10% instead.

70.9757, 84.9118,
81.0554

70.9757, 84.9118,
81.0554

453.1816,
511.3362, 518.2828

52.6048, 63.7685,
60.0560

119.6178,
140.2499, 136.6733

37.7136, 46.4632,
43.0381

150.6198,
175.2136, 172.1289

25.9367, 32.6115,
29.5834

186.5628,
215.5528, 213.2402

16.9087, 21.8290,
19.2732

227.8123,
261.6520, 260.4259

10.2643, 13.7313,
11.6891

274.7336,
313.8955, 314.1045

5.6382, 7.9340,
6.4124


327.6920,


2.6649, 4.0528,

372.6678, 374.6945

3.0246


387.0529,
438.3532, 442.6144


 0.9791, 1.7031,
1.1072


 0.0000, 0.4257,
0.0000


 70.9757, 84.9118,
81.0554


 70.9757, 84.9118,
81.0554


 62.9410, 80.9866,
70.9905


 80.2617, 89.4673,
92.0604

 56.0949, 77.6529,
61.8354

 90.8439, 94.6689,
104.0237

 50.3798, 74.8837,
53.5659

 92.8590, 95.6180,
108.1697

 45.7300, 72.6459,
46.1549

■ 42.0731, 70.9025,
39.5739

■ 39.3268, 69.6119,
33.7925

■ 37.3945, 68.7248,
28.7782

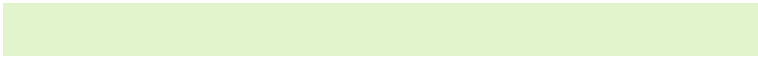
■ 36.1403, 68.1717,
24.4949

■ 35.9886, 68.1058,
23.9312

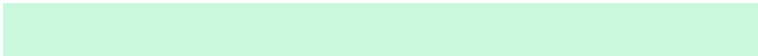
Harmonies

Analogous

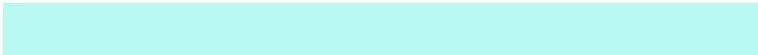
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.1784, 84.9118, 69.7708



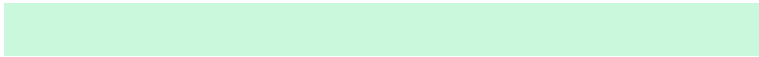
70.9757, 84.9118, 81.0554



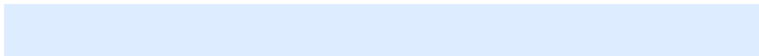
70.3185, 84.9118, 96.7457

Triad

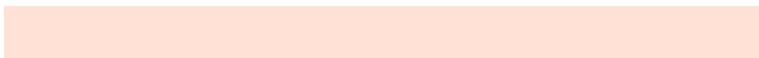
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.9757, 84.9118, 81.0554



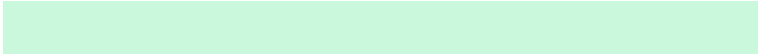
82.1909, 84.9118, 127.2037



89.6948, 84.9118, 74.5330

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70.9757, 84.9118, 81.0554



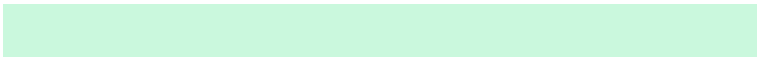
73.9778, 67.8568, 83.3312

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.0694, 84.9118, 88.2921



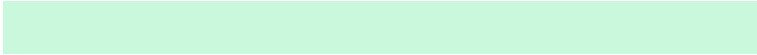
70.9757, 84.9118, 81.0554



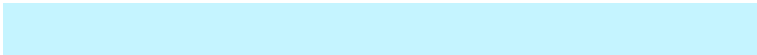
87.6060, 84.9118, 119.5883

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



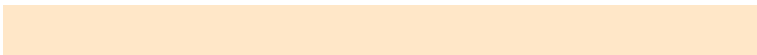
70.9757, 84.9118, 81.0554



76.6210, 84.9118, 124.6762



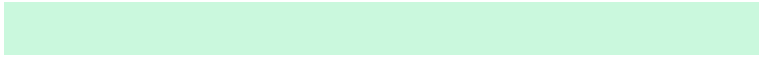
91.2875, 84.9118, 104.8752



84.9339, 84.9118, 66.3258

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



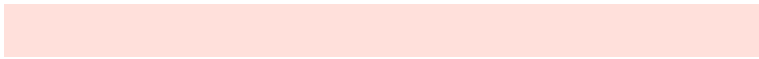
70.9757, 84.9118, 81.0554



71.3822, 84.9118, 107.8555



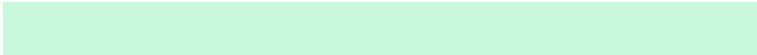
91.2875, 84.9118, 104.8752



90.8086, 84.9118, 78.5942

Sweetspot

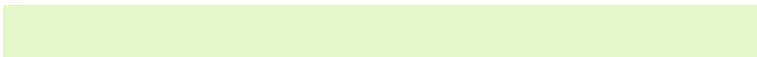
The Sweet Spot groups the original color and five complimentary colors.



70.9780, 84.9154, 81.0573



88.2309, 96.6478, 101.2088



76.7360, 88.1599, 68.8505



18.7327, 20.6118, 21.4885



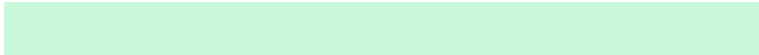
0.0000, 0.0000, 0.0000



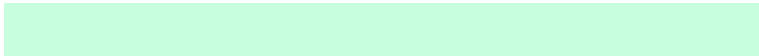
20.3446, 21.4041, 23.3091

Same Dimension

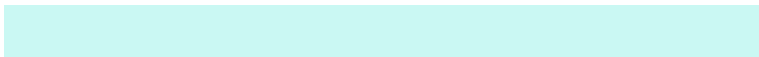
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9780, 84.9154, 81.0573



72.4809, 88.9261, 82.5007



74.1655, 86.1904, 97.8424



17.3146, 19.4281, 19.8574



19.5060, 36.8154, 13.2736



1.8579, 3.4303, 1.4996

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



73.9778, 67.8568, 83.3312



76.1818, 67.8774, 85.3038



71.0481, 66.6850, 67.9037



17.6720, 17.3962, 20.1287



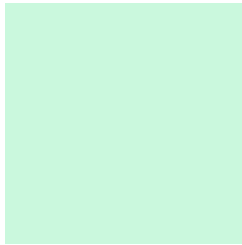
23.7682, 11.9230, 16.0197



2.2541, 1.1254, 1.7614

Previews

White Background



This preview shows how the XYZ color 70.9757, 84.9118, 81.0554 looks on a white background.

Color Contrast Check

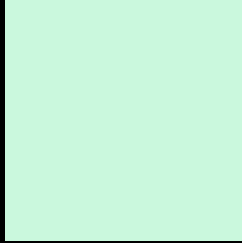
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 70.9757, 84.9118, 81.0554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

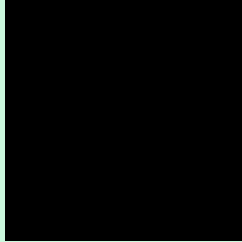
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

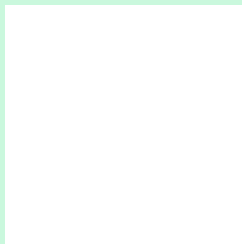
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.9757, 84.9118, 81.0554

Background



This preview shows how black text looks on a background with the XYZ color 70.9757, 84.9118, 81.0554.



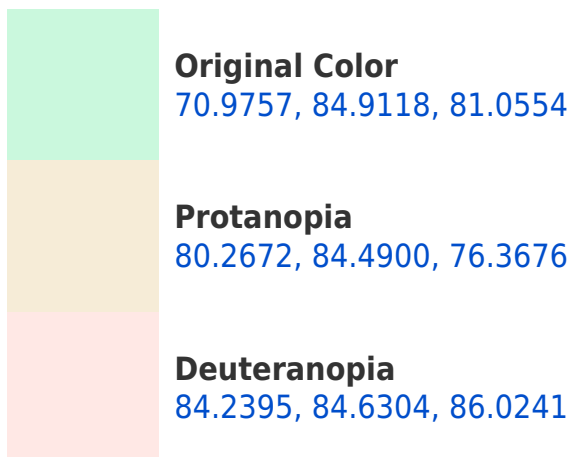
This preview shows how white text looks on a background with the XYZ color 70.9757, 84.9118,

81.0554.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia

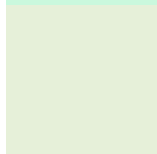
78.1206, 84.8823, 106.8743

Trichromacy



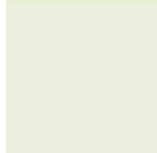
Original Color

70.9757, 84.9118, 81.0554



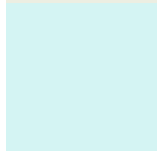
Protanomaly

76.3176, 84.1529, 77.8664



Deuteranomaly

78.8941, 84.4729, 84.0982



Tritanomaly

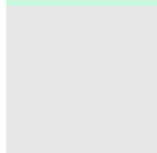
75.6797, 85.1695, 97.2446

Monochromacy



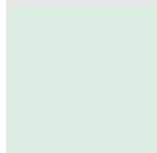
Original Color

70.9757, 84.9118, 81.0554



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.6645, 81.3301, 84.4888

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9757, 84.9118, 81.0554 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(202, 248, 221)` looks like.

```
.text, #text, p{  
    color:rgb(202, 248, 221)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(202, 248, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 248, 221) }
```

Border

The CSS property to change the border of an element to XYZ 70.9757, 84.9118, 81.0554 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(202, 248, 221) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(202, 248, 221) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(202, 248, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 248, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 248, 221);  
box-shadow:4px 4px 4px 4px rgb(202, 248,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9757, 84.9118, 81.0554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 248, 221) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(202,  
248, 221) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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